

EN AW-8017

ASTM 8017 · 8xxx · Al-Fe (low creep)

DESIGNATIONS

EN AW EN AW-8017	ASTM / US 8017	DIAMETERS 9.0; 9.5 mm	Σ, MPA 100-160
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APPLICATIONS

Building cables, building power cables, residential electrical wiring.

ADVANTAGES

- Low creep at terminations
- Flexibility and ductility
- High conductivity for the 8xxx series (up to 61.8% IACS)
- ASTM 8017 standard

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM ² /M	CONDUCTIVITY, MIN, % IACS
F	9.0; 9.5	100-160	10	0.02855	61
O	9.5	100-140	20	0.02850	61.2

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.100
Fe	0.550	0.800
Cu	0.100	0.200
Mg	0.010	0.050
Zn	—	0.050
B	0.001	0.040
Al (Al, min)		balance
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 0.10%

Alusilk

PART OF ITS GROUP

Coiled Aluminium · Connected Future

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